

# 12

## EF 12 – Utilities

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EF 12 Tasked Agencies	
<b>Primary Agencies</b>	Shasta County Office of Emergency Services
<b>Supporting Agencies</b>	Shasta County Public Works Redding Electric Utility Pacific Gas & Electric Shasta Lake Electric Western Area Power County special districts and service areas
<b>Primary State Agency</b>	California Natural Resources Agency California Utility Emergency Association

## 1 Purpose and Scope

Emergency Function (EF) 12 is responsible for the restoration of damaged utility infrastructure and accompanying systems within the County following a disaster. This EF Annex also considers the provision of temporary emergency power generation capabilities to support critical facilities until permanent restoration is accomplished. This function includes all forms of energy production and transmission and their associated infrastructure, as well as utilities such as water, gas, sewer, and telephone services. Critical facilities may include primary and alternate Emergency Operations Centers (EOCs), hospitals/critical care facilities, designated shelters, agency operating centers (if applicable), government offices/facilities, water/sewage systems, and other essential community services.

## 2 Policies and Agreements

### 2.1 Policies

The following policies are currently in place:

- None at this time.

### 2.2 Agreements

The following agreements are currently in place:

- Memorandum of Understanding with the California Office of Emergency Services and the California Utility Emergency Association to provide emergency operations support for gas, electric, water, wastewater, telecommunications (including wireless), and petroleum pipeline utilities.

### 3 Situation and Assumptions

#### 3.1 Situation

- Emergencies, both natural and human-caused, can have profound effects on public and privately owned utilities in the County. The ability to quickly restore damaged water, power, natural gas, telephone, and sewer systems is essential to minimizing a disaster's impacts on the safety, health, and economy of the area.
- The electrical power industry is organized into a network of public and private generation and distribution facilities. Through such networks, the electrical power industry has developed a capability to provide, reroute, and restore power under even the most extreme circumstances.
- A major disaster could destroy or disrupt all or a portion of the County's energy and utility systems.

#### 3.2 Assumptions

- A major disaster could destroy or damage portions of the County's energy and utility systems and disrupt petroleum supplies.
- Widespread and possibly prolonged electric power failures could occur in a major disaster.
- The transportation, media, and telecommunications infrastructures will be affected.
- Delays in the production, refining, and delivery of petroleum-based products may occur as a result of transportation infrastructure problems and loss of commercial power.
- There may be extensive distribution failure in water, wastewater, and gas utilities. These may take hours, days, or even weeks to repair.
- There may be panic hoarding of fuel in areas served by severed pipelines or by individuals from neighboring jurisdictions where shortages have occurred.
- Natural gas lines may break, causing fire, danger of explosion, or health hazards such as inhalation to toxic substances.
- Water pressure may be low, hampering firefighting and impairing sewer system function.
- City and County Public Works departments, under an emergency proclamation, will require the authority to enter private property to

evaluate and shut off utilities that jeopardize public and private property or threaten public health, safety, or the environment.

## **4 Roles and Responsibilities**

### **4.1 Emergency Function 12 Actions by Phase of Emergency Management**

#### **4.1.1 Preparedness**

- Develop and maintain a complete directory of all utility services and products associated with this EF.
- Ensure the availability of necessary equipment to support energy and utilities activities.
- Coordinate the establishment of priorities to repair damaged energy services and the provision of temporary, alternate, or interim sources of portable generators and other utilities.
- Promote mutual assistance agreements with the vendors of all utility services.
- Develop and maintain alert rosters, plans, policies, and procedures necessary to support the implementation of this annex.
- Identify, train, and assign personnel to execute missions in support of restoration of energy and utility systems.
- Participate in an exercise at least annually to validate this annex and supporting annexes.

#### **4.1.2 Response**

- Establish communication between the EOC and Incident Management Team to determine resource needs to support incident response and operations.
- Assess the affected areas to determine operational priorities and emergency repair procedures with utility field personnel.
- Prioritize utility rebuilding processes if necessary to restore utilities in the affected areas.
- Administer statutory authorities for utility priorities, as needed.
- Apply local, State, and federal resources as necessary, in accordance with established priorities to restore utility services.

**EF 12. Utilities**

- Provide emergency information, education, and conservation guidance to the public in coordination with the Public Information Officer (PIO).
- Assist local, State, and federal agencies and departments with obtaining fuel for transportation and communications in support of emergency operations.
- Coordinate with the Office of the Sheriff for security and protection of supplies.

**4.1.3 Recovery**

- Continue all activities in coordination with the EOC, based on the requirements of the incident.
- Support restoration activities.
- Replenish supplies and repair damaged equipment.
- Participate in after-action briefings and develop after-action reports (AARs).
- Make necessary changes to this EF Annex and supporting plans and procedures.

**4.1.4 Mitigation**

- Based on known hazards, identify and correct vulnerabilities in the energy and utilities function.
- When repairing damages, every attempt should be made to reduce the likelihood and severity of future damages.
- Implement a public awareness campaign regarding energy and utilities safety in emergencies.
- Develop internal Continuation of Operations Plans to identify resource needs and resources that can be provided to local agencies during response and recovery phases of an emergency or disaster event.

**5 Concept of Operations****5.1 General**

- Public (Redding Electric Utility, and Shasta Lake Public Utility District) and private utilities are responsible for coordinating energy and utility activities. Plans and procedures developed by the primary and supporting agencies provide the framework for carrying out those activities.

- Requests for assistance with energy and utility resources will be generated one of two ways: they will be forwarded to the County EOC, or they will be made in accordance with established mutual aid agreements.
- The County EOC will provide guidance for the coordination of energy and utility resources.
- Energy and utility support requirements that cannot be met at the local level should be forwarded to the State for assistance. If needed, federal assistance may be requested by the Governor.

## 5.2 Notifications

- The Director of Emergency Services will notify the primary and supporting agencies of EOC activations and request that representatives report to the EOC to coordinate energy and utility activities.
- As additional EOC staffing needs become apparent, other support and partnering agency personnel may be asked to report to the EOC to assist with energy and utility activities.

## 5.3 Access and Functional Needs Populations

Provision of energy and utility services in the County will take into account populations with access and functional needs.

# 6 Emergency Function Annex Development and Maintenance

The Director of Emergency Services will be responsible for coordinating regular review and maintenance of this EF Annex. Each primary and supporting agency will be responsible for developing plans and procedures that address assigned tasks.

# 7 Supporting Documents

The following documents are currently in place:

## Shasta County

- None at this time.

## State of California

- State of California Blackout Power Restoration Plan
- California Emergency Plan: EF 12 – Utilities

**Federal**

- National Response Framework: ESF 12 – Energy

**8 Appendices**

None at this time.